

Campbell's Clothing

20% DISCOUNT
OFF SUITS AND OVERCOATS

See What We
Have to Offer

WM. McLAUGHLIN (Regd.)

21 MCGILL COLLEGE AVENUE



**A. G. Spalding
and Bros.**



**SPECIAL "HAND MADE" HOCKEY
STICKS**

Made to Order \$1.00 Each
Autograph Sticks 60c
No. 0 50c

Hockey Gloves, Shin Pads, Knee Pads, Regulation
McGill Sweaters, Jerseys, Stockings, Etc., Etc.
WE ARE MAKING A SPECIALTY OF.

SKATE SHARPENING

Work Absolutely Guaranteed. Prompt Attention.

A. G. SPALDING & BROS.

371 St. Catherine St. West. (Near McGill College Ave.)

**ORIGINAL
GENUINE**



The Food-Drink for All Ages—Highly Nutritious and Convenient
Rich milk, with malted grain extract, in powder form—dissolves
in water—more healthful than tea or coffee. Used in training
athletes. The best diet for Infants, Growing Children, Invalids,
and the Aged. It agrees with the weakest digestion.
Ask for "HORLICK'S"—All Chemists, Hotels, Cafés and Stores.
Don't travel without it. Also keep it at home. A lunch in a minute.
In Lunch Tablet form, also, ready to eat. Convenient—nutritious.

Training Corps, "Attention!"

A. HARRY WOLFE,
248 NOTRE DAME WEST,

Everything for Militia Men—Canadian Government Contractor

**Experiences of
Sir D. Mawson**

**He Had to Eat Human Flesh or
Face Starvation**

How it feels to contemplate eating
a human being, and that person a
friend with whom one has been
associated, will be told by Sir Douglas
Mawson when he speaks on Antarctic
exploration in Windsor Hall, on Satur-
day evening of this week and next
Monday evening.

Speaking of his race with death in
the Antarctic, Sir Douglas has said:
"My friend and companion Mertz died
suddenly. I think it must have been
of perforation of the intestines. We
had been all alone and craving food
till we became so weak that I really
thought we would topple over."
Sir Douglas's lecture will be
thought for two days about eating
Mertz, for I was about 100 miles away
from the base, but I finally buried him
and went on. I was dragging the sled,
and a couple of days later, my feet
felt very sore. I hadn't looked at them
in some time, so I crawled in under a
ledge to see what was the matter.
When I took off my shoes, the soles
of my feet came off with them in two
large pieces. There was nothing else
to do, so I slapped them on again and
banded up my feet as well as I
could and went on my way in agony."

Sir Douglas's lecture will be
thought for two days about eating
Mertz, for I was about 100 miles away
from the base, but I finally buried him
and went on. I was dragging the sled,
and a couple of days later, my feet
felt very sore. I hadn't looked at them
in some time, so I crawled in under a
ledge to see what was the matter.
When I took off my shoes, the soles
of my feet came off with them in two
large pieces. There was nothing else
to do, so I slapped them on again and
banded up my feet as well as I
could and went on my way in agony."

Three senior law students of the
University of Indiana, will defend a
Cuban barber of the college town,
who is charged with murdering his
wife.

**Donalda '17
Wins Debate**

**Triumph Over Freshettes, in Spir-
ited Argument Before Della
Sigma Society**

The speakers for the second year
were awarded the victory in the
Freshie-Sophomore debate, which took
place on Wednesday afternoon, in the
Common Room of the Royal Victoria
College. The subject, "Resolved, that
the Romans had more influence on
civilization than the Greeks," was one
of general interest, and the speeches
on both sides were most interesting
and well prepared. Miss Sally Cam-
eron and Miss Ivadell Hurd spoke for
the first year, on the affirmative side,
while Miss Marjorie Fletcher and Miss
Jocelyn Patton, '17, upheld the nega-
tive.

After the judges, who were Miss
Hurlbatt, Professor Rose and Mr.
Laski, had brought in their unanimous
verdict in favor of the negative, Pro-
fessor Rose, who announced the de-
cision, gave a very fair and helpful
criticism of the speakers, dealing sep-
arately with many of their state-
ments, showing up the flaws and
weaknesses on both sides, and giving
a number of valuable suggestions.

As a result of this debate, the final
contest for the point given for debat-
ing will be between the juniors and
the Sophomores; this final debate of
the session will take place in the lat-
ter part of February.

Before the meeting adjourned, the
society accepted with much regret the
resignation of Miss Paterson-Smith
from the office of vice-president. Miss
Mabel Corner was elected to fill the
position.

Sophomore women at the University
of Pennsylvania have imposed a three
cent fine on any freshman woman
found flirting.

Lectures on X-Ray Tube Improvements

Dr. Pirie and Dr. Eve Give Lec-
tures to Physical Society

**NEW INVENTIONS
ADVANTAGEOUS**

Demonstrations of Coolidge Tube
and Snook Hydrogen Tube
Were Given

On Tuesday afternoon, the Physical
Society was favored by a descriptive
and demonstration of two new forms
of X-ray tubes, the Coolidge Tube, by
Dr. Pirie, of the Royal Victoria Hospi-
tal, and the Snook Hydrogen Tube, by
Dr. Eve, of the Physics Department.

Dr. Pirie first reviewed the action and
disadvantages of the ordinary X-ray
tube. When current is sent through it,
a stream of electrified particles are
driven from the cathode, or nega-
tive electrode to the anode, or posi-
tive electrode, which then becomes a source
of X-rays. If the degree of exhaust-
ion is not very great, the number of
particles is large, and the resulting
X-rays are soft and have low pen-
etrating power. But if the pressure
has been considerably reduced, then the
number of carriers is small, and the
X-rays have a great penetrating power
or are hard. Tubes giving the latter
phenomena are denoted respectively
as "soft" or "hard." The disadvan-
age of an ordinary tube is that it softens
with use, and the penetrating power
of the X-rays emitted by it changes.
In the ordinary tube, the carriers of
electricity are ionized molecules of the
gas remaining in the tube. But if the
cathode becomes incandescent, the
electrons emitted by it also become
carriers.

The Coolidge Tube aims to keep the
number of carriers constant for any
given degree of hardness, and to alter
the number when various degrees of
hardness are required. This is accom-
plished by exhausting the tube to a
very high vacuum, and substituting a
spiral of tungsten wire for the cathode
which is placed in series with a rheo-
stat and a battery giving twelve
volts. The number of carriers, which
are now entirely electrons from the
spiral, depend on its temperature
which can be regulated by the rheostat.
This hardness of the tube is under
complete control. The anode is a
solid mass of tungsten fused to a
molybdenum rod. This tube can take
more current than the ordinary tube
and for a longer time. The range of
hardness was shown by a demon-
stration of the transparency of the human
hand to the rays. Since the carriers
are negative electrons, the current will
proceed in only one direction through
the tube.

Dr. Eve followed with a description
of the Snook Hydrogen Tube. Con-
nected to it are two small subsidiary
tubes. The first containing hydrogen
is separated from the main tube by a
piece of platinum which can act as
an electrode. The second is a vacuum
tube. The number of carriers, which
are directly to the main tube, but is
separated from the outside air by a
piece of palladium which may also be
an electrode. The main tube is so
slightly exhausted that the current will
ordinarily pass through it. To soften
the tube, sparks are made to pass to
the platinum rendering it incandescent.
In this condition the hydrogen pen-
etrates it and supplies carriers to the
main tube. To harden it, sparks are
directed to the palladium electrode
which, becoming incandescent, allows
the hydrogen in the main tube to pen-
etrate it even against atmospheric pres-
sure. Dr. Eve concluded by describ-
ing the theoretical action of vacuum
tubes, and especially the so-called
"valve tube" which permits the current
to traverse the tube in one direction
only.

English Reply To The German Theologians

The following incident throws a
most interesting sidelight on Ger-
many's attitude towards the freedom
of the press during the present war.
It is of special interest in view of Dr.
Mott's approaching visit to McGill.

Several weeks ago the theologians
of Germany sent a manifesto to their
fellows-theologians in England, blam-
ing them for the war. A reply was
sent, signed by the Archbishops of
Canterbury and York and a large
number of representative men of vari-
ous churches. But the theologians of
Germany never saw the English re-
ply; it was concealed from them by
their Government, which decides what
the masses shall see, and also what
their learned men shall know. It so
happened, however, that when Dr. J.
R. Mott was in England he put a copy
of the English theologians' reply in his
pocket, and took it with him to
Germany. The Customs Authorities
searched Dr. Mott's pockets, and
found the reply. He was able to read it
to the theologians whom he met in Ber-
lin, which he did to their great sur-
prise. This is a fact worth know-
ing and passing on, and it is vouched for
by the Rev. Mr. Temple in a recent
address on the subject of the war. Mr.
Temple remarked that the people of
Germany are in a state of gross dark-
ness concerning the relations of their
country with other countries. And
even their educated men did not know
until quite lately that England had
made any effort to prevent the war.
This is due in part to the control of
the press by the Government. Editors
may write what they like, but noth-
ing can see the light until the censor
has approved it, and what he dislikes,
he suppresses. An editor in Germany
is like a man who as soon as he opens
his mouth to speak is gagged. We
are, therefore, all the more thankful
that Dr. Mott was able to put the
English side before some of the lead-
ing men in Germany, and we hope
that in time misunderstandings will
be entirely removed and all done that
is possible to bring the quarrel to an
end.

Mr. Graham's Endorsement



Hon. George P. Graham, M.
P. for South Renfrew, one of
Canada's foremost journalists and
a man whose record both within
and without the House has stamp-
ed him as being in the front rank
of Canadian statesmen, has the
following to say in regard to the
proposal made by the Daily that
a course in journalism be estab-
lished at McGill:

"A School of Journalism, if
conducted in a practical as well as
theoretical manner, would prob-
ably elevate the standard of the
profession. I say "practical" ad-
visedly, because I am sceptical
about the usefulness of any course
of instruction that does not pro-
vide for the student doing every
day what he is being told he ought
to do. Knowing without doing is
not of much consequence.

"I will be glad to assist your
movement in any way possible, as
conducted upon right lines. I
think such a school would serve a
very useful purpose."

Dr. Barnes at Council About Snowballing

Grant to Basketball Club—Grad-
uates to Get Copies of
Special Issue

The usual weekly meeting of the
Council was held last night and was
honored by a visit from Dr. Barnes,
representing a committee of the Aca-
demic Board appointed to confer with
the Students' Council in reference to
snowballing.

Dr. Barnes explained the object of
his appearance at the Council, saying,
that as there had been some damage
caused in former years, it had been
decided to bring it to the attention of
the Council in order, if possible, to
prevent it in the future.

It was moved and seconded: "That
the Council is fully in sympathy with
the attitude of the committee of the
Academic Board appointed to confer
with the Students' Council in refer-
ence to snowballing."

Mr. Tidmarsh reported that the
Senior Play would be held on Febru-
ary 5th.
In regard to the approaching visit
of Dr. John R. Mott, the Council was
unanimous in its opinion that the
meetings merited the support of the
whole student body and in support of
this view it was moved, seconded and
carried: "That the Council places its
best efforts on record as being gratified
at the prospective visit of Dr. John R.
Mott and hopes that the students will
avail themselves of hearing this noted
diplomat."

It was decided to pass a supple-
mentary estimate for the basketball
club. This was for the expense of
sending the second team to play a
league game with Macdonald. This
game was not included in the original
estimate because Macdonald, at that
time had not entered the league.

In regard to the special issue of the
Daily it was decided after some dis-
cussion that the Students' Council
should send a copy to each of the grad-
uates.

After some further business, the
Council adjourned.

MUSICAL GYMNASIUM.

In the brave days of old Greek
schoolboy's existence was made toler-
able by the musical accompaniment
which helped out his efforts to re-
cite Homer; now one of the most pleas-
ing features of the McGill gymnasium
classes held three times a week in the
Y.M.C.A. Gymnasium is the work of a
first-rate pianist. Any students who
don't know how genuinely pleasant a
"strenuous" workout may be made
need only to join Mr. Lamb, in his
favorite occupation at the first op-
portunity. Remember the hours:
Monday, Wednesday and Saturday at
5.15.

Skating Party Last Night on Campus Rink

Juniors and Sophs Make Merry
With the Donaldas on
Good Ice

**SUPPER SERVED IN
STRATHCONA HALL**

Hurdy-Gurdy Furnishes Classic
Tunes for the Graceful
Skaters

One of the most jolly social events
of the season was held last evening,
when the sophomores and juniors united
under the auspices of the Y.W.C.A. and
Y.M.C.A. for a skating party.

It was thought during the first part
of the week that it would have to be
postponed owing to the weather, but
fortunately old Probs stepped in and
forecasted the long-expected for cold.

There was a fine crowd assembled at
Strathcona Hall, where, under the di-
rection of a social committee, everyone
was made acquainted, and programmes
were made. Miss Macdonald and Mr.
Heslem were in charge of the committee and
the success of the evening was largely
due to them.

The young ladies then proceeded to
the rink to put on their skates, while
the boys remained in the Hall to
change their shoes. About nine o'clock
skating commenced to the melodious
strains of an old hurdy gurdy, which
waited and needed out such popular
tunes as "Everybody's doing it" in a
most alarming fashion.

The ice was in fine condition con-
sidering the weather and climatic con-
ditions could not have been better for
it was cold and clear. The hands were
sawed without any serious mishap ex-
cepting a few falls.

The merry throng then crossed the
frozen fields to Strathcona Hall, which
has been the scene of so many good
times. Skates were soon taken off and
the search for boots started. There
was some difficulty in locating the
shoes however, as mysteriously, they
had changed their resting place. One
by one the crowd gathered in the re-
ception hall and pulled off for refresh-
ments. The merry chatter reverberated
through the corridors until the
east were served by a large and ef-
ficient committee under the able lead-
ership of Gordon Dacey. The boys
and girls soon realized there was
something more important to do than
talking and began eating with an ap-
petite borne of the frosty night.

It took about a half an hour for the
laughter to get back to its former vol-
ume. Soon after finishing the repast,
the function was brought to a close
by the singing of "Come fill your
cups up to McGill" and "God save
the King" vociferously and earnestly.

It was nearly midnight when the
hundred and fifty couples filed out of
the hall on their way home.
Among those present were Miss
Hill, Miss and the Misses DeWalt,
White, Walker, Spier, Ballard, Gray,
Prowse, Patton, Savage, Smith, Dyke,
Fletcher, Kilgour, Howe, Ferguson,
Ward, Henry, Graham, Symonds, Ben-
nett, Chamberlain, Wynn, Fraser,
E. Walker, Hurd, Ford, Lambert,
Weinfeld, Story, Melvin, Corner, and
Messrs. Holling, Cowpie Harris, Yeo,
McCrudden, Thorp, Dowe, Beckwith,
Jones, Kilgour, Smith, Kier, McNeill,
Tranah, Cornet, Dewey, Nicholas,
Whyte, Haslam, Pte. Griffiths, Henry,
Pennant, Miller, Fowler, Hawthorne.

Undergraduates of Medicine Will Meet on Friday

Dr. Wilkins and Dr. Thornton
Will Address the Society—
Musical Programme

The Medical Undergraduate Associa-
tion of the University will hold its
first post-holiday meeting this morn-
ing, on Friday, January 22nd, in the
Assembly Hall of the New Medical
Building, at 8.15 p.m.

The programme for this occasion
will be very good and quite lengthy.
The first address will be made by
Dr. Wilkins, who will speak on "Some
points concerning Roentgen Rays." Dr.
Wilkins has made a special study
of this subject and this address will be
of special interest to the students who
are contemplating a course in this
branch of study.
"Mouth conditions and their rela-
tions to general health" will form the
basis of an address that will be made
by Dr. A. W. Thornton, who is the
director of the Department of Den-
tistry. Dr. Thornton has had much real
experience of this as he has been
overseeing the dental repairs of the
soldiers of the first and second con-
tingents.

These addresses will be followed
by a musical programme. The first
item will be a violin solo by Mr. M. J.
O'Regan, who is a prominent member
of the McGill Undergraduates' Orches-
tra. A duet will next be played on
stringed instruments, by Messrs. Crafty
and Conover, and a piano solo by
Mr. T. C. Wolf.

The business of the evening will be
the election of representatives from
McGill to go to the sister universities
to the various social functions. The
representatives to McGill have been
selected at Queen's already.

The date of the Medical Dinner has
not been decided upon as yet, since a
prominent Harvard professor, whom
the executive has been trying to get
as a speaker, has not signified what
date he can come.

The plans of the General Base Hos-
pital are progressing very quickly. Yes-
terday morning Dean Birkett called to-
gether his committee and had a long
meeting on equipment. The men who
are chosen will very soon be notified
of their election.

THE MERCHANTS' BANK OF CANADA

Paid-up Capital, - - - \$7,000,000
Reserve Fund and Undivided Profits, \$7,248,134

SAVINGS BANK DEPARTMENT AT ALL BRANCHES

Deposits received of \$1 and upwards, and interest allowed at best
current rates.

CITY BRANCHES
205 St. James Street. 1330 St. Lawrence Boulevard.
320 St. Catherine Street West. 1866 St. Lawrence Boulevard.
672 Centre Street. St. Denis and St. Zolique Streets.
1556 St. Catherine Street East. Maisonneuve.

STUDENTS AND SCHOLARS OF MCGILL DEPOSIT YOUR SAVINGS WITH THE MONTREAL CITY AND DISTRICT SAVINGS BANK

ESTABLISHED 1846
DIRECTORS:—Hon. J. A. Oulmet, President; Hon. Robert Mackay,
Vice-President; R. Bolton, G. N. Moncel, Robert Archer, Hon. R. Dandur,
Hon. C. J. Doherty, Sir Lomer Gouin, Dr. Donald A. Hingston, F. W.
Nelson.

HEAD OFFICE AND 14 BRANCHES IN MONTREAL.

The Only Bank incorporated under the Savings Bank Act doing busi-
ness in the City of Montreal. Its charter (different from that of all other
banks) ensures every possible protection to its depositors. ITS OBJECT
is to receive and to SAFELY INVEST savings, however moder-
ate, of the widow, orphan, scholar, clerk, apprentice, of the young people
and the working industrial and agricultural classes.
Every courtesy and attention will be shown to you, whether your
account be large or small.

M. W. FOWER - - - - - Manager.
St. Catherine St. West Branch—Corner McGill College Avenue.
Ask for one of our "Home Savings Banks." It helps you to save.

ROYAL INSURANCE COMPANY LIMITED.

LARGEST AND WEALTHIEST FIRE INSURANCE COMPANY IN
THE WORLD.

LIFE DEPARTMENT

PROFITS	FUNDS
Same unvaried high rate of pro- fits for 45 years.	Life funds over \$10,000,000, over 40% of sums assured.
Over \$4,000,000 cash distributed to policyholders at last declara- tion of profits, being 26.8% of the with-profit premiums received during the quinquennium.	ECONOMY Expenses 13.05% of premium income. CLAIMS No claim has ever been contested.

The building of all the houses, the mills, the bridges and
the ships and the accomplishment of all other great
works which have rendered man civilized and happy
have been done by the savers, the thrifty; and those who
have wasted their resources have always been their
slaves.

The time to begin to save
money, no matter how small
the sum is now.
Write at once for particulars of special
Students' Endowment to J. M. Coote,
Royal Insurance Co., Limited, Montreal.

L. A. OTT & COMPANY

General Contractors

ESTATES COMPLETED.
Redpath Property Steyning Park
Trafalgar Heights Connaught Property

WORK UNDER CONSTRUCTION.
THE MCGILL STADIUM
BELVEDERE TERRACE

We are prepared to submit estimates and tenders on all kinds
of construction work.

Room 610-611 New Birks Building.

10 Cathcart St. Montreal

Phones, Up. 6608 and 8058.

Notices

DEPARTMENT OF MATHEMATICS.
Professor Davies will be unable to
meet his classes again this week.

STUDENTS' ORCHESTRA.
There will be a rehearsal of the Mc-
Gill Undergraduates' Orchestra this
evening at 7.30 p.m. in the Music
Room of the Union. All members are
requested to be present as this is a
very important rehearsal.

REGIMENTAL BAND.
The band will practice to-night at
3.00 p.m. in Strathcona Hall. Mem-
bers are asked to bring all music to
this rehearsal as cards are being made
up for marching. A full attendance is
requested.

MARITIME CLUB.
There will be a meeting of the execu-
tive of the McGill Maritime Club
this evening at 7 p.m. in room 26,
Strathcona Hall.

BORROWED.
A student borrowed a fountain pen
in the Redpath Library on Monday
last. Will he kindly return it to the
Janitor of the Science Building.

Futurities

To-day

2.30 p.m.—Railway students visit to
C. P. R. Interlocking Plant.
5.15 p.m.—Basketball practice.
6.15 p.m.—Swimming.
7.00 p.m.—Meeting of Maritime Club
Executive.
7.30 p.m.—Boxing Club practice in
Union.
7.30 p.m.—Undergraduates' Orches-
tra Rehearsal.
7.45 p.m.—Company Drill "C" and
"D" Companies.

To-morrow

7.30 p.m.—Science Dinner in Union.
7.30 p.m.—Wrestling Club practice
in Union.
8.15 p.m.—Meeting of Medicine Un-
dergraduates' Society.

Trip Planned for Engineers

**Prof. Willard to Demonstrate In-
terlocking System at Windsor
Depot**

This afternoon at 2.30 a very inter-
esting and instructive trip has been
promised for the students in Railway
Engineering. Prof. Willard will con-
duct the class in signals and inter-
locking through the interlocking plant
of the Windsor station. This is one
of the most recently installed plants
of its kind and is controlled by an
38-lever all-electric machine. This
machine is the largest all-electric ma-
chine in Canada, and it will be very
interesting and instructive to see it in
operation. It is hoped that there will
be a good turnout of railway stu-
dents this afternoon for this is an
opportunity no railway man can afford
to miss. Students who have taken
the work in Fourth Year Railway
Engineering and who wish to go on
the trip, should hand their names to
Prof. Willard before one o'clock to-
day. Prof. Willard will leave with
the party at half-past two sharp.

EDINBURGH GRAD. NEW PROFESSOR AT TORONTO 'VARSITY

The chair of pathological chemis-
try in the University of Toronto, left
vacant by the resignation of Professor
J. R. Leithes, has been filled by the
appointment of Dr. Andrew Hunter,
a distinguished graduate of the Uni-
versity of Edinburgh. He was associate
professor of biochemistry in Cornell
University, Ithaca, N.Y., and was af-
terwards appointed biochemist in the
United States public health service.
He had an appointment, too, in the
University of Leeds, where he carried
on investigations in physiological che-
mistry.

